

# EXPERIENCE THE POWER OF WATER

THE ULTIMATE TOOL FOR  
PIPELINE MAINTENANCE



[WWW.ID-TEC.NL](http://WWW.ID-TEC.NL)

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**ID-TEC** IS THE PROUD MANUFACTURER OF THIS  
MODULAR SYSTEM THAT FEATURES A MULTI FUNCTIONAL  
TRANSPORTER AND VARIOUS JOB-SPECIFIC MODULES FOR  
UNDERGROUND PIPE INSPECTION, CLEANING, CUTTING  
AND REHABILITATION.

ONE SYSTEM, HIGHLY EFFECTIVE AND COST-EFFICIENT,  
REMOVING ROOT INTRUSIONS, CUTTING PROTRUDING  
TAPS, REINSTATING LATERAL CONNECTIONS, INSTALLING  
SPOT REPAIR SYSTEMS AND REMOVING HEAVY GREASE,  
OVERPOURED CONCRETE AND YEARS OF CALCIUM AND  
SCALE BUILD-UP FROM 6" - 36" UNDERGROUND PIPES  
AND SERVICE LATERAL CONNECTIONS.

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A photograph of a dark, rocky tunnel. The walls are made of rough, layered rock. A stream of water flows through the center of the tunnel, reflecting the light. The water is dark and has some ripples. The tunnel appears to be underground and is quite narrow.

WHAT IF YOU  
RUN INTO...

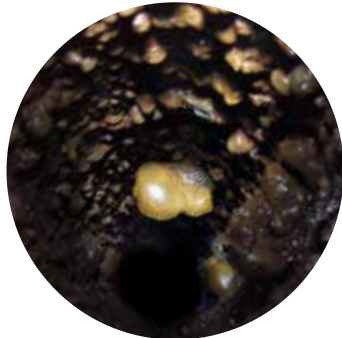




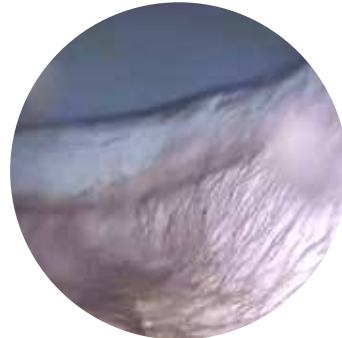
## STRUCTURAL DEFECTS



## ROOTS & FAT



TUBERCULATION



## CALCIUM



CEMENT



## CONCRETE



## PROTRUDING TAPS



## LATERAL REINSTATEMENT



CCTV INSPECTION & SPOTREPAIR

ONE MULTI FUNCTIONAL TRANSPORTER  
WITH VARIOUS JOB-SPECIFIC MODULES  
FOR MULTIPLE APPLICATIONS.

# THE SR-SERIES

ULTIMATE TOOL FOR PIPELINE MAINTENANCE



PRECISION WATER JET CUTTING



REINSTATEMENT & CUTTING



PRECISION WATER JET CUTTING APPLIES AN ADJUSTABLE HIGH PRESSURE/ LOW VOLUME WATER JET FROM A SPECIAL DESIGNED TRANSPORTER, FEATURING A PAN & TILT NOZZLE AND CCTV CAMERA MODULE, FOR CONTROLLED REMOVAL OF DEPOSITS SETTLED AND SOLID OBSTRUCTIONS FROM WITHIN 6" - 36" (150-900MM) PIPES AND SERVICE LATERAL CONNECTIONS.





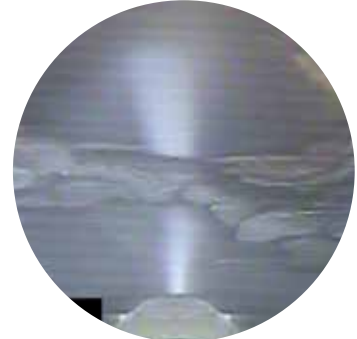
# PRECISION WATER JET CUTTING



TREE ROOTS



CALCIUM



CEMENT

PRESSURE RANGE	APPLICATION
> UP TO 7,250PSI (500BAR)	<ul style="list-style-type: none"> <li>+ CIPP PREPARATION (ROUGHEN PIPE SURFACE, REMOVE DEPOSITS &amp; GREASE FILM)</li> <li>+ FAT, OIL &amp; GREASE</li> <li>+ TREE ROOTS</li> </ul>
> UP TO 14,500PSI (1000BAR)	<ul style="list-style-type: none"> <li>+ CEMENT &amp; GROUT</li> <li>+ SCALE &amp; CORROSION</li> <li>+ MINERAL DEPOSITS</li> <li>+ CALCIUM &amp; CONCRETE</li> </ul>
> UP TO 43,500PSI (3000BAR)	<ul style="list-style-type: none"> <li>+ EXTREME REMOVALS</li> </ul>



WJ125 > P34

6-15" (150-375mm)



WJ160 > P37

8-15" (200-375mm)



WJ180 > P38

8-20" (200-500mm)



WJ190 > P39

10-36" (250-900mm)



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WITH UP TO 43,500PSI (3000BAR)  
PRECISION WATER JET CUTTING  
REMOVES: FOG, DEBRIS, ROOTS,  
CEMENT, SCALE, GROUT, CALCIUM  
AND CONCRETE.

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# PRECISION WATER JET CUTTING

EYES ON THE JOB AND CONTINUOUS ADJUSTMENT OF WATER PRESSURE, ANGLE WITH THE PIPE AND DISTANCE TO THE MATERIAL ENABLE THE OPERATOR TO ACHIEVE THE BREAKDOWN AND ELIMINATION OF VARIOUS OBSTRUCTIONS WITHOUT ADDING DAMAGE TO THE PIPE STRUCTURE

POWERFUL

---

CONTROLLED

---

EYES ON THE JOB



REMOVED CEMENT



REMOVED CALCIUM

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LATERAL REINSTATEMENT,  
OFF-SET CORRECTIONS &  
CUTTING PROTRUDING TAPS

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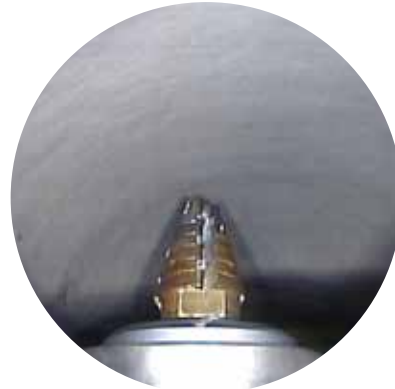


# GRINDING MILLING **AND** CUTTING

High power and precise controls allow fast, smooth and accurate service lateral reinstatement, joint off-set corrections and cutting off hammer taps of any material. The cutter modules feature water-powered cutting motors and speed adjustable controls for operations in lined 6" to 28" pipelines (150- 750mm).



PROTRUDING TAPS



LATERAL REINSTATEMENT

## PROS

- + **Powerful** - water powered cutting motor
- + **Accurate** - adjustable control speeds
- + **Versatile** - with multiple job-specific modules\*
- + **Increased life expectancy** - water lubricated bearings and bits

\*Exchange the cutter module for a precision water jet cutting module or CCTV inspection module and take care of prepwork, pre- and post inspection with the same system



HA125 > **P35**

6-15" (150-375mm)



HA165 > **P40**

8-15" (200-375mm)



HA195 > **P41**

10-28" (250-700mm)



# CCTV INSPECTION & SPOT REPAIR



CCTV mainline inspection and installation of spot repair sleeves with the same transporter used for precision water jet cutting and lateral reinstatement. The mainline inspection & spot repair modules feature a pan & tilt camera and a pressure adjustable air coupling at the front, operated from the control unit to connect with the QLP160 spot repair and pressure testing packer, as well as a variety of other packers suitable for grouting and the installation of mechanical repair sleeves and part liners.

## PROS

- + Pressure adjustable air coupling for spot repair installations
- + Laser crack measurement
- + Camera module compatible with push reel
- + Compatible with NASSCO PACP certified POSM and Wincan software



QLP160 > P43

spot repair and pressure testing packer



CAM125 > P33

6-15" (150-375mm)



CAM160 > P42

8-15" (200-375mm)



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# EASY-TO-USE SOFTWARE AND ERGONOMIC CONTROLS

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The ID-RIS operating software runs from a Touch Screen computer, displays live video and system data and allows remote control and continuous pressure adjustment of the pump. All movements of the transporter, job specific modules and reels are operated from two programmable 6- axis joysticks.



## FEATURES

- Continuous pressure adjustment from control unit
- Two 6- axis joysticks
- Customizable joystick settings
- Photo- and video capturing
- Compatible with NASSCO PACP certified POSM and Wincan software



# WHAT MAXIMUM WATER PRESSURE DO YOU NEED?

## GETTING THE JOB DONE REQUIRES THE **RIGHT** **WATER PRESSURE**

Continuous pressure adjustment of ID-tec high pressure units allow the operator to adapt immediately to different materials and ever-changing conditions from the control unit.

High pressure units are available with a maximum pressure of:

- + 7,250PSI (500BAR)
- + 14,500PSI (1000BAR)
- + 43,500PSI (3000BAR)

### REQUIRED \* MAX WATER PRESSURE

APPLICATION	MATERIAL	4GPM @ 7,250PSI (15LTR/MIN @500BAR)	5.3GPM @ 14,500PSI (20LTR/MIN @1000BAR)	6.8GPM @ 32,000PSI (25LTR/MIN @2200BAR)
GRINDING, MILLING AND CUTTING	CIPP LINER, PVC, BRICK, VERTRIFIED CLAY, CONCRETE, CAST IRON, & STAINLESS STEEL	✓	✓	✓
PRECISION JET CUTTING	FAT, OIL, GREASE, DEBRIS, ROOTS, MOST SCALE & CEMENT	✓	✓	✓
PRECISION JET CUTTING	MINERAL DEPOSITS, GROUT, CEMENT, CALCIUM & CONCRETE	✗	✓	✓
PRECISION JET CUTTING	EXTREMELY HARD MATERIALS	✗	✗	✓

\* Some deposits require up to 43,500PSI (3000BAR) to remove.



## PTO - ELECTRIC (HDE) HIGH-PRESSURE UNIT

The electric high pressure unit works in combination with a PTO (Power Take Off) powered generator to drive the electric pump motor, and provides electrical power for the entire vehicle.



HIGH PRESSURE UNITS > [P26](#)

### PROS

- + Less weight
- + Less space required
- + One engine running (cleaner)
- + More efficient
- + Less noise



PTO GENERATOR > [P46](#)

## COMBUSTION (HDM) HIGH-PRESSURE UNIT

The combustion engine driven high pressure unit features a Diesel or Gasoline motor to drive the pump. An additional inverter or generator is required to provide electrical power for the entire vehicle.

### PROS

- + Stand-alone
- + Certified tier 4 final emission
- + Certified Stage 5 emission (2019)



HIGH PRESSURE UNITS > [P26](#)



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CUSTOM BUILT  
VEHICLE

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## EQUIPMENT COMPARTMENT

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- + HYBRID CABLE REEL
- + HIGH PRESSURE HOSE REEL
- + WORK BENCH
- + ROBOT STORAGE
- + HEATER
- + JIB CRANE AND HOIST
- + WATER AND AIR CLEANING GUNS

EXPERIENCE THE POWER OF WATER



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# CONTROL ROOM

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- + DESK
- + CONTROL UNIT
- + TOUCH SCREEN PC
- + CABINETRY
- + VICINITY CAMERA SYSTEM
- + AIR CONDITIONING
- + HEATING



## FRONT COMPARTEMENT

- + WATER TANK
- + HIGH PRESSURE UNIT
- + POWER DISTRIBUTION
- + AIR COMPRESSOR

## OPTIONAL EXTRAS

- + EXTRA HIGH-PRESSURE UNIT FOR FLUSHING
- + EXTRA HOSE REEL FOR FLUSHING
- + ROOF MOUNTED BEACONS AND STROBE LIGHTS
- + STAIRS OR STEP BUMPER
- + CLIMATE PACKAGE: COOLING
- + CLIMATE PACKAGE: CLOSED CIRCUIT RADIATOR HEATING SYSTEM







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## COMPACT BOX

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## CUSTOM BUILT 20FT STAND ALONE CONTAINER

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# HIGH PRESSURE UNIT AND HOSE REEL FOR SEWERCLEANING

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A high-flow pump unit HDE37F can be installed in combination with a cleaning hose reel for flushing and cleaning applications. This electric pump unit is powered by the same PTO generator as the pump for precision water jet cutting.

## HOSE REEL MH200HDL

Pressure/ flow:	2,030psi (140bar) 36gpm (135ltr/min)
Hose length:	1", 500ft (150m)
Dimensions:	57"x20"x68" (1451x510x1720mm)

## HD37F



# HIGH PRESSURE UNITS

HDE - HDM

## FEATURES

- > Continuous pressure adjustment from control unit
- > Electronic over and under pressure monitoring
- > Electronic water pressure monitoring
- > Double wired remote control with emergency stop
- > Heavy-duty materials

Continuous pressure adjustment of ID-tec high pressure units allow the operator to adapt immediately to different materials and ever-changing conditions without leaving the controls unit. High pressure units are available with maximum pressures ranging from 7,250psi (500bar) to 43,500psi (3000bar) and are driven by a combustion engine or electrical motor in combination PTO generator.







HDM105 - 32,000PSI (2200BAR)

## AVAILABLE HIGH PRESSURE UNITS

HP-UNIT	MAX. PRESSURE	MAX. FLOW	POWERED	APPROX. WEIGHT	APPROX. DIMENSIONS	REQUIRED VEHICLE GVWR*
HDM19	7,250psi (500bar)	4.0gpm (15ltr/min.)	Gasoline engine	484lbs (220kg)	L32"xW20"xH42" (1064x500x1125mm)	19,500lbs (3.5T)
HDE23	7,250psi (500bar)	5.6gpm (21ltr/min.)	PTO Electric (min. 30 KVA PTO)	484lbs (220kg)	L32"xW20"xH42" (1064x500x1125mm)	19,500lbs (3.5T)
HDE37	14,500psi (1000bar)	5.3gpm (20ltr/min.)	PTO Electric (min. 60 KVA PTO)	617lbs (280kg)	L30"xW35"xH35" (760x880x880mm)	26,000lbs (>16T)
HDM37	14,500psi (1000bar)	5.3gpm (20ltr/min.)	Diesel (TIER 4)	2150lbs (970kg)	L80"xW30"x45" (20140x750x1150mm)	26,000lbs (>16T)
HDE37F (flushing)	2,030psi (140bar)	36gpm (135ltr/min)	PTO Electric (min. 60 KVA PTO)	617lbs (280kg)	L30"xW35"xH35" (760x880x880mm)	33,000lbs (>16T)
HDPT037	14,500psi (1000bar)	5.3gpm (20ltr/min.)	PTO Direct	550lbs (250kg)	Installed under chassis	26,000lbs (>16T)
HDM105	32,000psi (2200bar)	5.6gpm (23ltr/min.)	Diesel (TIER 4)	3858lbs (1750kg)	L105"xW43"xH73" (2670x1080x1856mm)	33,000lbs (>16T)
HDPT0105	32,000psi (2200bar)	5.6gpm (23ltr/min.)	PTO Direct	1325lbs (600kg)	Installed under chassis	33,000lbs (>16T)

\*DEPENDING WATER TANK CAPACITY





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ID-TEC HIGH PRESSURE UNITS  
ALLOW CONTINUOUS PRESSURE  
ADJUSTMENT AND MEET THE  
LATEST EMISSION STANDARDS!

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# HYBRID CABLE AND HIGH PRESSURE HOSE REELS

## MH200R - MH200HD

The MH200 Hybrid Cable and High Pressure Hose Reels are installed in heavy duty Stainless steel frames with standard 400' (135m) of cable and high pressure hose. The reels feature cross- lead spindles, adjustable speeds and distance measurement and are controlled individual or simultaneous from the reels, the Control Unit or a remote control.

### HYBRID CABLE REEL

The kevlar protected hybrid cable holds wiring for power, video and communication around an air supply hose for the pneumatic movements and positive pressure inside the transporter and modules.

### HIGH PRESSURE HOSE REEL

The high-pressure hose supplies water under pressure for precision water jet cutting and reinstatement cutting operations. The standard 3/8" high pressure hose can be used with pressures up to 14,500psi(1000bar) and special hoses are available for pressures up to 43,500psi (3000bar).



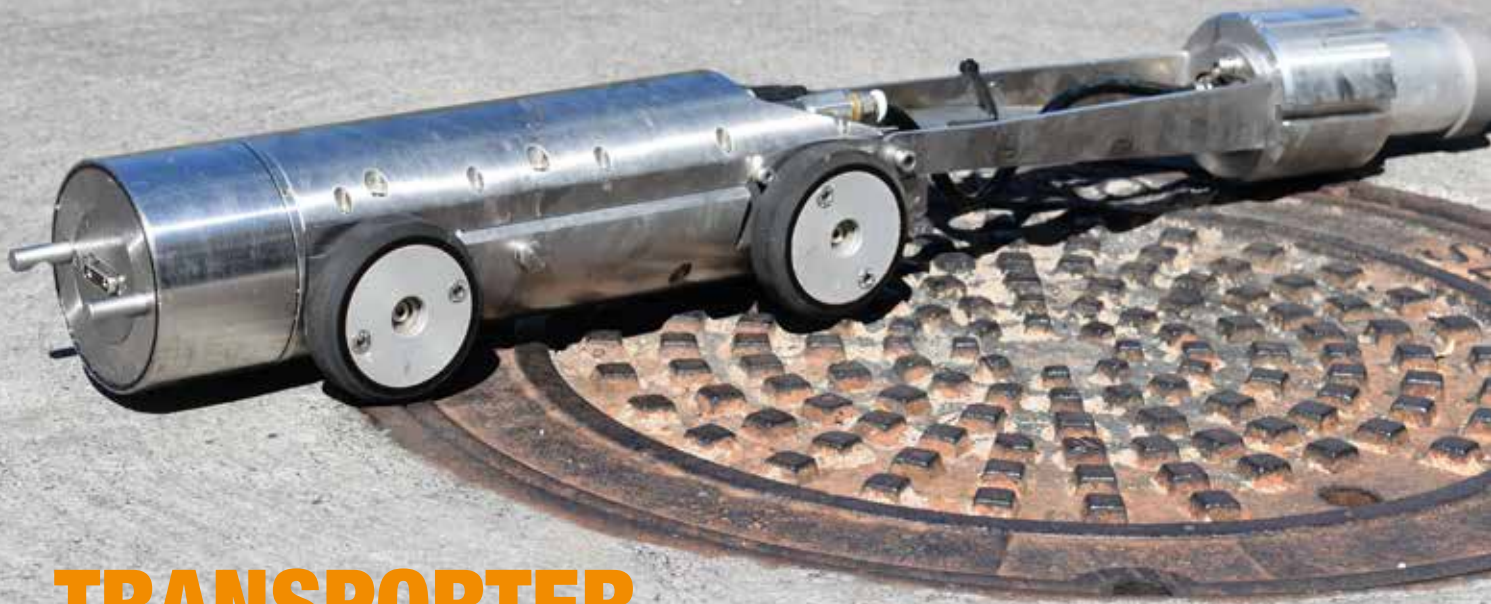
### SPECIFICATIONS

Standard length: 400' (135m)

Dimensions DxWxH: 33"x20"x40" (820x500x1064mm)

### FEATURES

- > Controlled from reels, control unit or remote control
- > Distance measurement
- > Cross lead spindle
- > Adjustable speeds
- > Torque regulated synchronization
- > Loop detection sensor
- > Stainless steel frame
- > Double wired remote control with emergency stop



# TRANSPORTER CRAWLER

## R125 6" (150MM)

The heavy duty stainless steel R125 Transporter is modular and compatible with various job- specific equipment modules for underground pipe inspection, cleaning, cutting and rehabilitation from lined 6"-15" (150-375mm) pipes. The compact R125 features a powerful 4x4 drivetrain, 500 degrees rotation and the twist-and-lock mechanism to exchange equipment modules within 60 seconds. The R125 uses the same control unit, high pressure unit, cable reel and high pressure hose reel platform as the R160.

### AVAILABLE R125 COMPATIBLE MODULES

**WJ125** Precision Water Jet Cutting Module

6" - 15" (150-375mm)

**HA125** Lateral Reinstatement Cutting Module

6" - 15" (150-375mm)

**CAM125** CCTV Inspection and Spot Repair Module

6" - 15" (150-375mm)

## SPECIFICATIONS

<b>Scope of use:</b>	6"-15" (150-375mm)
<b>Powertrain:</b>	Electrical all wheel drive
<b>Rotation (pan):</b>	500° electrical
<b>Dimensions:</b>	L16" x W4.9" x H3.9" without module and weights (L405 x W125 x H100mm)

## FEATURES

- > Twist-and-lock-mechanism
- > Heavy-duty stainless steel
- > Roll and Pitch sensors (x-y)
- > Rotation sensor
- > Continuously pressurized
- > Temperature monitoring



# CCTV INSPECTION AND SPOT REPAIR MODULE UNITS



## CAM125 6"-15" (150-375MM)

The CAM125 CCTV inspection and spot repair module features a pan and tilt camera and an air coupling at the front for CCTV main line inspections and spot repair installations in 6" - 15" (150-375mm) pipelines. The control software can be used in combination with NASSCO PACP licensed WinCan and POSM inspection software.

### SPOT REPAIR INSTALLATIONS

The CAM125 module features a pan & tilt camera and a pressure adjustable air coupling at the front, operated from the control unit to connect with the QLP160 spot repair and pressure testing packer, as well as a variety of other packers suitable for grouting and the installation of mechanical repair sleeves and part liners.

## SPECIFICATIONS

<b>Scope of use:</b>	6"-15" (150-375mm)
<b>Air coupling:</b>	max. 145 psi (10bar)
<b>Camera Pan:</b>	max. 230 degrees
<b>Location transmitter:</b>	512 MHz

## FEATURES

- > Compatible with R125 transporter
- > Air coupling for spot repair packers
- > Infinite rotating color camera
- > Manual focus
- > Auto horizon adjustment
- > Intensity adjustable LED lighting
- > Camera compatible with push cable
- > Compatible with NASSCO PACP licensed POSM and WinCan
- > Heavy-duty materials
- > Laser crack measurement (optional)

# PRECISION WATER JET CUTTING MODULE



## WJ125 6"-15" (150-375MM)

The WJ125 Precision Water Jet Cutting module is compatible with the R125 Transporter for removing root balls, hardened fat, grease, cement, scale, calcium and mineral build-up and over-poured concrete from within 6" - 15" (150-375mm) pipes. The WJ125's jetting arm features 8" (210mm) arm lift and 120 degrees nozzle-tilt to ensure the right working angle in small pipelines and service lateral connections. The camera and LED lighting are placed behind the water jet. A variety of nozzles and water pressures up to 43,500psi (3000bar) can be used.



## SPECIFICATIONS

<b>Scope of use:</b>	6" - 15" (150-375mm)
<b>Water pressure:</b>	max. 43,500psi (3000bar)
<b>Nozzle tilt:</b>	120°
<b>Ram lift:</b>	8" (210mm)

## FEATURES

- > Heavy-duty materials
- > Compatible with rotary and cutting nozzles
- > Air lens cleaner
- > Color camera
- > Adjustable LED lighting
- > Sapphire lenses
- > Twist-and-lock mechanism



# LATERAL REINSTATEMENT CUTTING MODULE



## HA125 6"-15" (150-375MM)

The HA125 lateral reinstatement cutter module is compatible with the all wheel driven R125 Transporter and built for lateral reinstatement and cutting protruding taps and services from 6" - 15" (150-375mm) pipelines. The 125 cutter arm features 8" (205mm) arm lift and 90 degrees pivoting of the cutter motor. The HA125 can be used with ID-tec's powerful, electric and water driven, cutter motors that deliver a maximum of 2HP and 2.8HP for fast lateral reinstatement with precision and a smooth cut. The water of hydro-powered cutting motors is used to lubricate the ceramic bearings and provides cooling to the cutter bit, which increases the life expectancy of the equipment.

### SPECIFICATIONS

<b>Scope of use:</b>	6" - 15" (150-375mm)
<b>Ram lift:</b>	8" (205mm)
<b>Motor pivoting:</b>	90°

### FEATURES

- > Compatible with R125 Transporter
- > Compatible with Diamond and Carbide cutting and milling bits
- > Air lens cleaner
- > Color camera
- > Adjustable LED lighting
- > Speed adjustable 4 axis movements
- > Heavy-duty materials

### CUTTING MOTORS

<b>Electric powered:</b>	2HP (@5,000RPM)
<b>Water powered:</b>	3.4HP (@18,000rpm)
	7.8HP (@4,000rpm)



## R160 8" (200MM)

The heavy duty stainless steel R160 Transporter is compatible with various job- specific equipment modules for underground pipe inspection, cleaning, cutting and rehabilitation from lined 8" (200mm) pipes and larger with a variety of wheels and spacers. The R160 features a powerful 4x4 drivetrain, 500 degrees rotation and the twist-and-lock mechanism to exchange equipment modules within 60 seconds. The R160 uses the same control unit, high pressure unit, cable reel and high pressure hose reel platform as the R125.

### AVAILABLE R160 COMPATIBLE MODULES

**WJ160** Precision Water Jet Cutting Module 8" - 15"(200-375mm)

**WJ180** Precision Water Jet Cutting Module 8" - 20"(200-500mm)

**WJ190** Precision Water Jet Cutting Module 10" - 36"(250-900mm)

**HA165** Lateral Reinstatement Cutting Module 8" - 15"(200-375mm)

**HA195** Lateral Reinstatement Cutting Module 10" - 28"(250-750mm)

**CAM160** CCTV Inspection and Spot Repair Module 8" - 15"(200-375mm)

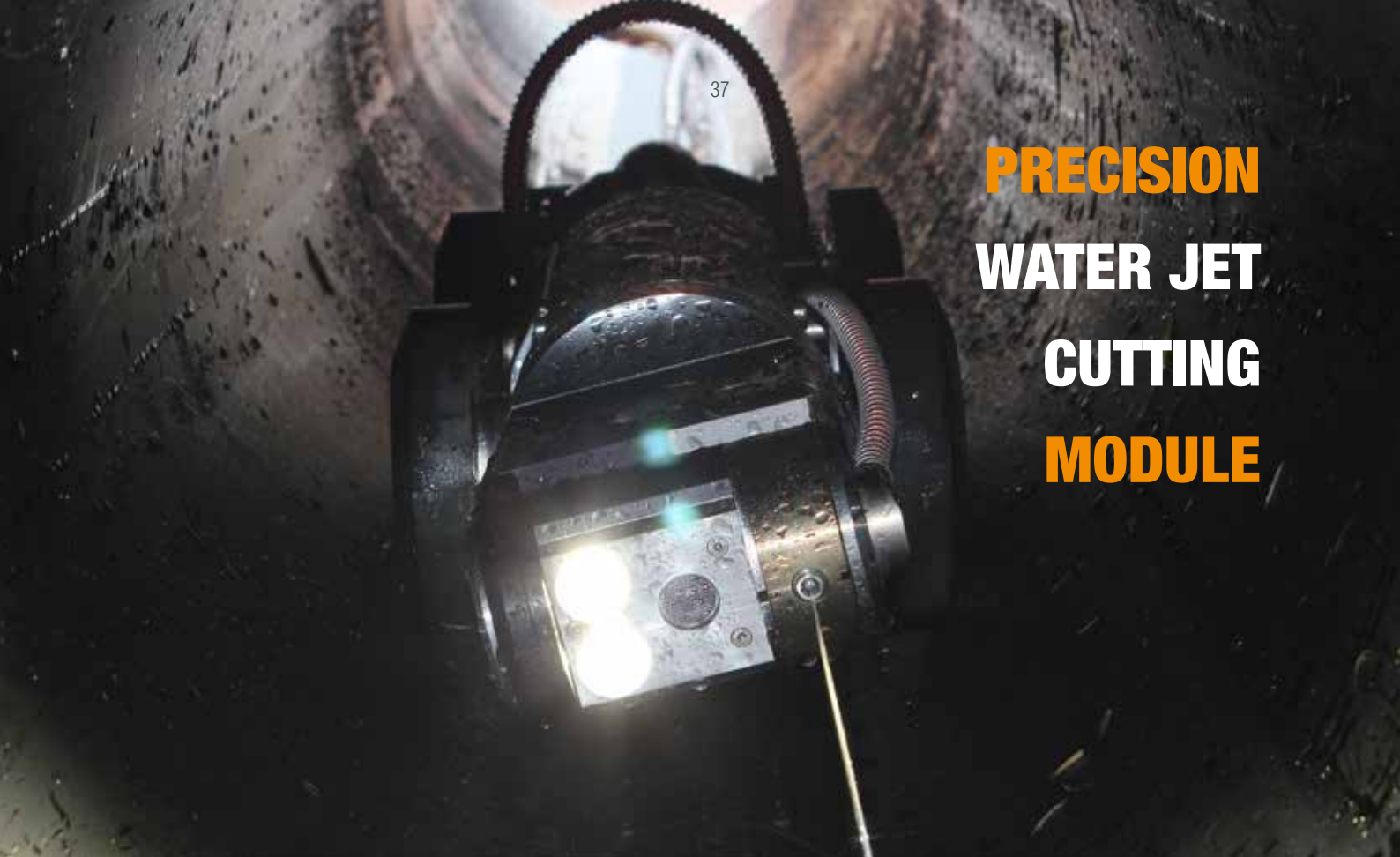
## SPECIFICATIONS

<b>Scope of use:</b>	8" and up (200mm)
<b>Powertrain:</b>	Electrical all wheel drive
<b>Rotation (pan):</b>	500° electrical
<b>Dimensions:</b>	L17.3" x W5.8" x H5.2" without module and weights (L440xW147xH132mm)

## FEATURES

- > Twist-and-lock-mechanism
- > Heavy-duty stainless steel
- > Roll and Pitch sensors (x-y)
- > Rotation sensor
- > Continuously pressurized
- > Temperature monitoring





# PRECISION WATER JET CUTTING MODULE

## WJ160 8"-15" (200-375MM)

The WJ160 Precision Water Jet Cutting module with front facing, infinite tilting, color camera provides a non- obstructed view when navigating through 8" - 15" (200-375mm) pipelines. The WJ160 is compatible with select cutting nozzles and water pressures up to 14,500ps (1000bar) to take care of root balls, hardened fat, grease and cement from pipes and lateral connections.

### SPECIFICATIONS

<b>Scope of use:</b>	8"-15" (200-375mm)
<b>Water pressure:</b>	max. 14,500psi (1000bar)
<b>Nozzle and camera tilt:</b>	Infinite

### FEATURES

- > Heavy-duty materials
- > Infinite rotating color camera
- > Sapphire lenses
- > Twist-and-lock mechanism
- > Adjustable LED lighting

# PRECISION WATER JET CUTTING MODULE



## WJ180 8"-20" (200-500MM)

The WJ180 Precision Water Jet Cutting module is compatible with the R160 Transporter for removing root balls, hardened fat, grease, cement, scaling, calcium, mineral build- up and over- poured concrete from within 8" - 20" (200-500mm) pipes and lateral connections. The WJ180 module can be used with a variety of nozzles and water pressures up to 43,500psi (3000bar). The water jet cutting module features a camera with LED lighting that moves with the nozzle for a clear vision during the operation.



## SPECIFICATIONS

**Scope of use:** 8" - 20" (200-500mm)  
**Water pressure:** max. 43,500psi (3000bar)  
**Nozzle tilt:** 90°

## FEATURES

- > Heavy- duty materials
- > Compatible with rotary and cutting nozzles
- > Rotating color camera
- > Air and water lens cleaner
- > Sapphire lenses
- > Twist-and-lock mechanism
- > Adjustable LED lighting
- > Compatible with rotating lances descaling tool



# PRECISION WATER JET CUTTING MODULE



## WJ190 10"-36" (250-900MM)

The WJ190 Precision Water Jet Cutting module is compatible with the R160 Transporter for removing root balls, hardened fat, grease, cement, scaling, calcium, mineral build- up and over- poured concrete from within 10" - 36" (250-900mm) pipes. The WJ190's jetting arm features 11" (270mm) arm lift and 100 degrees nozzle- tilt to ensure the right working angle in larger pipelines. The camera and LED lighting are front-placed next to the water jet and tilt all together for a clear vision during the operation. The WJ190 module can be used with a variety of nozzles and water pressures up to 43,500psi (3000bar).

### SPECIFICATIONS

<b>Scope of use:</b>	10"-36" (250-900mm)
<b>Water pressure:</b>	max. 43,500psi (3000bar)
<b>Ram lift:</b>	11" (270mm)
<b>Nozzle and camera tilt:</b>	100°

### FEATURES

- > Heavy- duty materials
- > Compatible with rotary and cutting nozzles
- > Front facing color camera
- > Sapphire lenses
- > Twist-and-lock mechanism
- > Adjustable LED lighting



# LATERAL REINSTATEMENT CUTTING MODULE

## HA165 10"-28" (250-750MM)

The HA165 lateral reinstatement cutter module features an infinite rotating, front- placed, color camera and is compatible with the all wheel driven R160 Transporter for lateral reinstatement and cutting protruding taps and services from 8" - 15" (200-375mm) pipelines. The HA165 module features a 3" (75mm) vertical lift and can be used with ID-tec's powerful, electric and water driven, cutter motors that deliver a maximum of 2HP, 3.4HP or 7.8HP for fast lateral reinstatement with precision and a smooth cut. The water of hydro-powered cutting motors is used to lubricate the ceramic bearings and provides cooling to the cutter bit, which increases the life expectancy of the equipment.



## SPECIFICATIONS

**Scope of use:** 8"-15" (200-375mm)

**Cutting motor lift:** 3" (75mm)

## CUTTING MOTORS

**Electric powered:** 2HP (@5,000RPM)

**Water powered:** 3.4HP (@18,000rpm)

7.8HP (@4,000rpm)

## FEATURES

- > Compatible with R160 Transporter
- > Compatible with Diamond and Carbide cutting and milling bits
- > Infinite rotating color camera
- > Water lens cleaner
- > Adjustable LED lighting
- > Speed adjustable 3 axis movements
- > Heavy-duty materials





# LATERAL REINSTATEMENT CUTTING MODULE

## HA195 10"-28" (250-750MM)

The HA195 lateral reinstatement cutter module is compatible with the all wheel driven R160 Transporter and built for lateral reinstatement and cutting protruding taps and services from 10" - 28" (250-750mm) pipelines. The 195 cutter arm features 11" (270mm) arm lift and 90 degrees pivoting. ID-tec's powerful, electric and water driven, cutter motors that deliver a maximum of 2HP, 3.4HP or 7.8HP for fast lateral reinstatement with precision and a smooth cut. The water of hydro-powered cutting motors is used to lubricate the ceramic bearings and provides cooling to the cutter bit, which increases the life expectancy of the equipment.



## SPECIFICATIONS

<b>Scope of use:</b>	10" - 28" (250-750mm)
<b>Ram lift:</b>	11" (270mm)
<b>Ram lift:</b>	90°

## CUTTING MOTORS

<b>Electric powered:</b>	2HP (@5,000RPM)
<b>Water powered:</b>	3.4HP (@18,000rpm)
	7.8HP (@4,000rpm)

## FEATURES

- > Compatible with R160 Transporter
- > Compatible with Diamond and Carbide cutting and milling bits
- > Rotating color camera
- > Air and water lens cleaner
- > Adjustable LED lighting
- > Speed adjustable 4 axis movements
- > Heavy-duty materials

# CCTV INSPECTION AND SPOT REPAIR MODULE

## CAM160 8"-15" (200-375MM)

The CAM160 CCTV inspection and spot repair module features a pan and tilt camera and an air coupling at the front for CCTV main line inspections and spot repair installations from 8" - 15" (200-375mm) pipelines. The software can be used in combination with NASSCO PACP licensed WinCan and POSM inspection software..

## SPOT REPAIR INSTALLATIONS

The CAM160 module features a pan & tilt camera and a pressure adjustable air coupling at the front, operated from the control unit to connect with the QLP160 spot repair and pressure testing packer, as well as a variety of other packers suitable for grouting and the installation of mechanical repair sleeves and part liners.

## SPECIFICATIONS

<b>Scope of use:</b>	8"-15" (200-375mm)
<b>Air coupling:</b>	max. 145 psi (10bar)
<b>Camera Pan:</b>	max. 230 degrees
<b>Location transmitter:</b>	512 MHz

## FEATURES

- > Compatible with R160 transporter
- > Air coupling for spot repair packers
- > Infinite rotating color camera
- > Manual focus
- > Auto horizon adjustment
- > Intensity adjustable LED lighting
- > Camera compatible with push cable
- > Compatible with NASSCO PACP licensed POSM and WinCan
- > Heavy-duty materials
- > Laser crack measurement (optional)

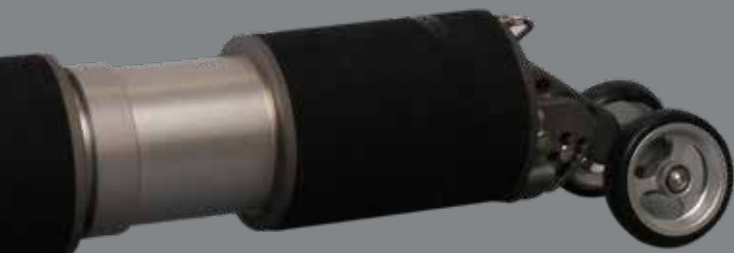


QLP160 8"-12" (200-300MM)

## SPOT REPAIR AND PRESSURE TESTING PACKER



The QLP160 is a 2-in-1 packer for installation of mechanical spot repair sleeves and pressure testing of joints and repairs. The packer could be attached to any CCTV inspection robot, including the SR-Series CAM160 module to load repair sleeves from inside the pipe and install them. After the installation of a spot repair the integrity could be verified by pressure testing with the same packer.



DEFLATED



INFLATED

### LOADING REPAIR SLEEVES INSIDE THE PIPELINE

The QLP160 features pneumatic retractable front wheels for loading sleeves by driving through and partially inflate the two bladders. After loading, the repair sleeve is positioned by driving the transporter. Once in place, the bladders are inflated and the repair sleeve installed.

### PRESSURE TESTING

The space between the two bladders of the QLP160 can be extended to perform pressure tests to verify joint connections and installed repair sleeves.

### EASY TO USE AND CERTIFIED SOFTWARE

The QLP160 2-in-1 packer can be operated from an independent control unit or from the ID-RIS software when using the SR-Series. The control software is easy-to-use and compatible with NASSCO PACP certified WinCan and POSM software to include test results in the inspection report.

The VRM100 mixing unit allows precise dosing of root control and grease removal additives for controlled spot treatments with precision water jet cutting equipment. The modular dosing unit is compatible with all precision water jet cutting modules and installed between high-pressure unit and hose reel. Operation takes place from the control unit and special software.

## MIXING UNIT VRM100



### ROOT CONTROL

By using chemical root control you can remove roots further inside service laterals and inhibit their growth without having to fill the complete line with foam.

### GREASE REMOVAL

Adding a grease remover encapsulates and dissolves Fats, Oils and Greases to remove blockages and prevent recollection and settlements further down the line.

#### SPECIFICATIONS

Compatible with: All precision water jet cutting modules (WJ125, WJ160, WJ180 and WJ190)

Dimensions: 20"x12"x32" (300x500x900mm)

#### PROS

- + Efficient spot treatment
- + Powerful root removal
- + Inhibit root growth
- + Removes roots inside service laterals
- + Dissolves FOG to prevent new blockages down the line



# HYDRO POWERED CUTTING MOTORS

WM300 | WM500 | WM200

The water driven, WM300, WM500 and WM200 cutting motors deliver up to 2.8HP, 3.4HP and 7.8 HP. The motors feature a compact and durable design, with water lubricating the ceramic bearings and cooling the material and cutter bit, which increases the life expectancy. Cutting power is continuous adjustable and all motors are compatible with standard available M14 cutting and milling bits.

WM300 .....



..... WM500



WM300	WM500	WM200
<b>Power:</b> 2,000 watt (2.8HP)	<b>Power:</b> 2,500 watt (3.4HP)	<b>Power:</b> 6,000 watt (7.9HP)
<b>Speed:</b> max. 25,000 rpm	<b>Speed:</b> max. 18,000 rpm	<b>Speed:</b> max. 4,000 rpm
<b>Motor type:</b> Turbine	<b>Motor type:</b> Turbine	<b>Motor type:</b> Piston
<b>Water consumption:</b> 2.5...5.3 gpm	<b>Water consumption:</b> 2.5...5.3 gpm	<b>Water consumption:</b> 2.5...5.3 gpm
<b>Water pressure:</b> 3,000psi	<b>Water pressure:</b> 2,900...7,250psi	<b>Water pressure:</b> max. 2,900psi
<b>Dimensions:</b> Ø2.16xH2.1"	<b>Dimensions:</b> Ø2.95"xH3.9"	<b>Dimensions:</b> Ø2.95"xH5.1"

# ELECTRICITY ANYWHERE

**MOBILPOWER** 

The Mobilpower generator utilizes your vehicle's engine to generate electricity for welding, grinding, drilling, sawing or any other high power application at any location.



CIRCUIT BREAKER BOX



PTO GENERATOR

“LIGHTWEIGHT, SMALL, QUIET, FUEL-EFFICIENT,  
CLEAN AND POWERFUL.”

ITEM	POWER	VOLTAGE	FREQUENCY	WEIGHT	RPM
MP20	20 KVA	230 VAC   400 VAC	50 Hz	70 Kg	1500
MP30	30 KVA	230 VAC   400 VAC	50 Hz	160 Kg	1500
MP60	60 KVA	230 VAC   400 VAC	50 Hz	300 Kg	1500



# HIGH PRESSURE

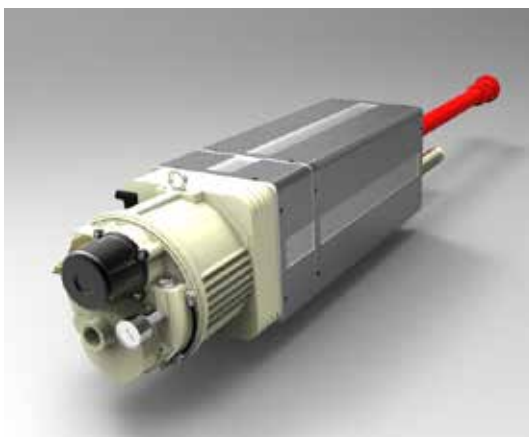
**MOBILPOWER** 

Use your vehicle's clean and powerful engine to drive a high pressure unit of up to 43,500psi (3000bar).



COMPATIBLE WITH  
MOST VANS, PICK-UPS  
AND TRUCKS

OTHER APPLICATIONS:



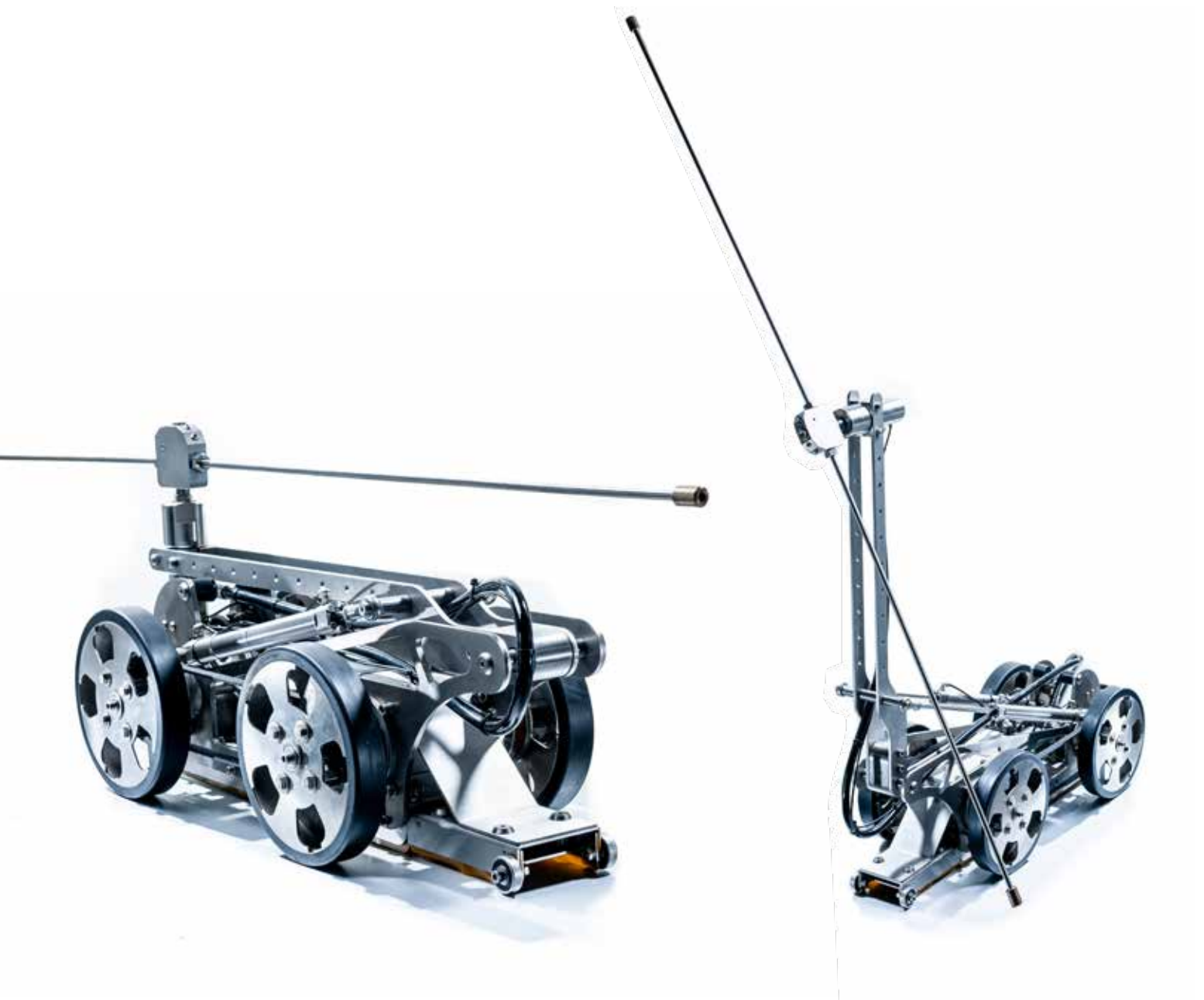
COMPRESSED AIR



HYBRID

EXPERIENCE THE POWER OF WATER

# LARGE DIAMETER PIPE AND TANK CLEANING



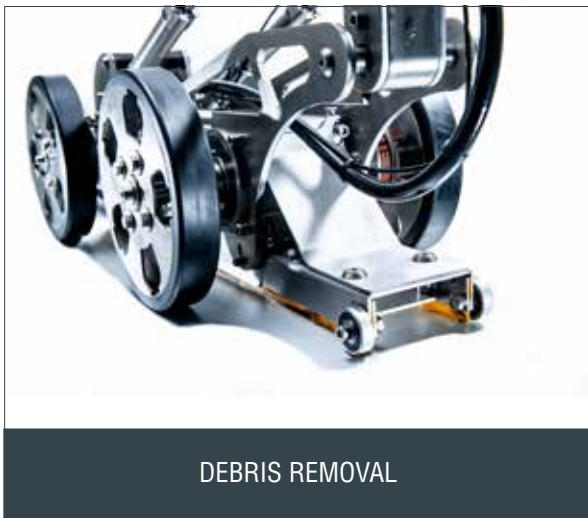
EXPERIENCE THE POWER OF WATER



# TWK 300

40"-120" (1000-3000MM)

The TWK300 drive is a water driven robot system for cleaning large diameter pipelines and horizontal oil storage tanks of 40" - 120" (1000-3000mm) with pressures up to 36,250psi (2500bar).



DEBRIS REMOVAL



4 FORWARD FACING NOZZLES

## SPECIFICATIONS

<b>Scope of use:</b>	40" – 120" (1000-3000mm)
<b>Min. Access Diameter:</b>	16" (400mm)
<b>Max. Pressure:</b>	7,250psi (500bar) Atex zone 0 36,250psi (2500bar) @ 30°C (85°F) 14,500psi (1000bar) @ 70°C (158°F)
<b>Max. Flow:</b>	21gpm (80ltr/min.)
<b>Max. Rotation:</b>	1000 RPM
<b>Temperature:</b>	34-194°F (1-90°C)
<b>Weight:</b>	99lbs (45kg)
<b>Dimensions:</b>	L33.5"xW14"x H16" (850x350x400mm)

## FEATURES

- > Exchangeable lances for intense cleaning close to the surface
- > Pressure switched forward-facing nozzles for cleaning tank heads
- > Pneumatic foldable arm to fit 17" (400mm) access points
- > Adapter for vacuum debris removal
- > Certified Atex Explosion Zone 1 or Zone 0.





# C70

6"-40" (150-1000MM)

## VIDEO CLEANING NOZZLE

The ID-tec C70 video nozzle features 7 cleaning jets, battery pack, LED lighting, WiFi and self-leveling High Definition camera for video recording and jetting 6" – 40" (150-1000mm) pipelines.

The video is recorded on a SD-card inside the nozzle and downloaded to the included tablet via integrated Wi-Fi, as soon as the nozzle has returned to the manhole.



AUTO UPRIGHT HD CAMERA



USER-FRIENDLY SOFTWARE



VARIOUS SKIDS

### SPECIFICATIONS

<b>Scope of use:</b>	6" - 40" diameter pipelines (150-1000mm)
<b>Jet angle:</b>	20 degrees
<b>Hose connection:</b>	1 1/4", 1" and 3/4" fitting
<b>Flow:</b>	40 - 170 GPM (150-650ltr/min)
<b>Pressure:</b>	2000 - 4000psi (125-275bar)
<b>Battery runtime:</b>	8+ hours
<b>Video memory:</b>	8+ hours

### FEATURES

- > Auto upright HD camera
- > 7 pressure switched LEDs
- > 7 exchangeable jet inserts
- > Double Sapphire lenses
- > Wireless video downloading
- > Rugged Tablet with GPS
- > Cleaning assessment software (optional)









# NOZZLES

## Rotary nozzle

Compatible with WJ180 Precision jet cutting equipment

Usage: Removing FOG, deposits, roots, roughening surfaces

Article No.	Max. Pressure psi (bar)	Min. Pressure psi (bar)	Min. Flow gpm (l/min.)	Jet angle	Ø mm	Length mm
MJ2	14,500 (1000)	2,600 (180)	1 (4)	20°	50	134
MJ3	11,600 (800)	1,900 (131)	1 (4)	20°	43	109
MJ4	7,250 (500)	1,500 (104)	1 (4)	22°	43	109



## Cutting nozzle

Compatible with WJ180 Precision jet cutting equipment

Usage: Removing cement, calcium and concrete

Article No.	Max. Pressure psi (bar)	Nozzle Ø mm	Ø mm	Length mm
A073	29,000 (2000)	0,8	8/12	12
A074	29,000 (2000)	0,9	8/12	12
A075	29,000 (2000)	1,0	8/12	12



## Cutting nozzle

Compatible with WJ160 Precision jet cutting equipment

Usage: Removing FOG, deposits, roots

Article No.	Max. Pressure psi (bar)	Nozzle Ø mm	Thread	Length mm
P	15,000 (1000)	-	M10	19





# CUTTER TOOLS

## Diamond Taper Milling Cutter, 9 segments rotation-optimized

Article No.		DN mm	Ø mm	Height mm	Segments
H1	H2				
20004 P	21004 P	300 - 600	52 / 42	40	9
20001 P	21001 P	200 - 300	52 / 46	25	9



## Diamond Inlet Milling Cutter rotation-optimized

20015 P	21015 P	250 - 600	68	33	16
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Usage: Preparing laterals, milling of intruding laterals



## Inlet Milling Cutter

Article No.		DN mm	Ø mm	Height mm	Segments
Type R	Type U				
BL 11409	-	250 - 600	55	30	28



## Taper Milling Cutter with Carbide tip

BL 11403	-	250 - 600	28 / 18	45	4
-	BL 11403 U	250 - 600	30 / 15	45	U
BL 11439		250 - 600	44	40	22

Usage: Preparing laterals, milling of intruding laterals and inliner / Opening of laterals

Note: Not made for reinforced concrete!



## Single section and Cup brushes

Article No.	Description	Ø mm	Fitting mm
80018	Single section brush	100	22,2
80020	Cup brush	65	45M14



## Extensions

Stainless steel

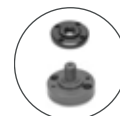
Article No.	Ø mm	Fitting mm
90120	30	30
90121	30	40
90122	30	50



## Adapter

Stainless steel tot attach brushes and sawblades

Article No.	Description	Ø mm	Height mm
90112	Adapter	30	25
SP 90110	Tension disk for Adapter		



## NOTES

This image shows a full page of blank graph paper. The background is a very light gray, and it is covered by a precise grid of thin, medium-gray lines. The grid consists of small, identical squares that extend across the entire visible area of the page, providing a template for drawing or writing. There are no margins, text, or other markings present.



## NOTES

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form a series of small, uniform squares across the entire surface. There are no margins, text, or other markings on the paper.

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# WHAT CHALLENGES CAN WE HELP YOU WITH?

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